

POLYMORPHISM DETECTION

ABSTRACT OF THE DISCLOSURE

5 The present invention generally provides a rapid
efficient method for analyzing polymorphic or biallelic
markers, and arrays for carrying out these analyses. In
general, the methods of the present invention employ arrays of
oligonucleotide probes that are complementary to target
nucleic acids which correspond to the marker sequences of an
individual. The probes are typically arranged in detection
10 blocks, each block being capable of discriminating the three
genotypes for a given marker, e.g., the heterozygote or either
of the two homozygotes. The method allows for rapid,
automatable analysis of genetic linkage to even complex
polygenic traits.

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